

BG Coatings **Datasheet**



BG WOOD VARNISH

PRODUCT CODE: BGWOOD

TECHNICAL DATA SHEET NO: BGW-1

DATE: SEPTEMBER 2024

THIS SUPERSEDES ALL PREVIOUS PUBLICATIONS

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| PRODUCT DESCRIPTION | A high build oil based varnish based on urethane alkyd technology. | |
| INTENDED USES | Ideal for use on interior wooden surfaces such as for doors, window frames, trims and furniture. It protects and enhances wood grain and colour. | |
| FEATURES & BENEFITS | <ul style="list-style-type: none">• Easy to apply.• Excellent levelling properties.• Water-resistant and moisture repellent.• Resistant to cracking and peeling.• Excellent adhesion and good abrasion resistance.• Single pack. | |
| PRODUCT INFORMATION | Appearance | Transparent Gloss and Satin. |
| | Colour | Clear. |
| | Generic type | Modified Alkyd. |
| | Volume Solids | 45% |
| | Recommended DFT | 40 – 50 µm per coat. |
| | Recommended WFT | 89 – 111 µm per coat. |
| | <u>Spreading rate:</u> | |
| | Theoretical | 10 m ² /L per coat @ 45 µm DFT. This serves as a guide only. |
| | Practical | The practical spreading rate will vary depending on the profile of the substrate, as well as the application technique and tools used. |
| | S G | ≈ 0,956 kg/lt. |
| | Flash point | 40°C |
| | Calculated Max VOC | <425 g/ℓ |
| APPLICATION DETAILS | Mixing | Stir thoroughly with a flat paddle until completely homogeneous. |
| | Method | Brush application. |
| | Thinning | RFU – Not Required. |
| | Cleaning | Clean brushes and paint equipment with mineral turpentine. |
| | Substrate | Suitably prepared surfaces. |

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Application
Environment

| Surface Temperature | Ambient Temperature | Relative Humidity |
|----------------------------------|---------------------|-------------------|
| Min: 10 °C | Min: 10 °C | Min: 10% |
| Max: 40 °C | Max: 40 °C | Max: 85 % |
| Or minimum 3 °C above dew point. | | |

Drying Time
@ 25°C and 50% R.H.

| Dry Film Thickness | Touch dry | To Recoat |
|-------------------------------|-----------|-----------|
| 45 µm | <5 hours | 12 Hours |
| 4 days before handling. | | |
| Block resistant after 7 days. | | |

SURFACE PREPERATION

All surfaces must be clean, dry and sound. Remove any oil, grease, mortar droppings, etc.
Fill holes and any surface imperfections with a suitable timber putty.

1. NEW WOOD:

Sand in the direction of the grain, to a smooth finish with 180 – 260 grit paper. Remove dust with a damp cloth and allow to dry.

2. PREVIOUSLY VARNISHED WOOD IN GOOD CONDITION:

Sand to an even matt finish with 180 – 260 grit paper to create a key.
Remove dust with a damp cloth and allow to dry.

3. PREVIOUSLY VARNISHED WOOD IN POOR CONDITION:

Remove old varnish by sanding or by using an all purpose paint remover. Sand to a smooth finish. Remove dust with a damp cloth and allow to dry.

4. WOOD PREVIOUSLY COATED WITH WAX SEALER/OIL BASED WOOD PRESERVATIVE:

Wood coated with wax sealer or oil based preservative should not be varnished.

5. PREVIOUSLY PAINTED WOOD:

Strip old paint by deep sanding or an all purpose paint remover. Sand bare wood to a smooth finish. Remove dust with a damp cloth and allow to dry.

6. DISCOLORED OR WEATHERED WOOD:

Remove discoloured or weathered layer by sanding with 180 - 260 grit paper. Remove dust with a damp cloth and allow to dry.

APPLICATION

1. Ensure wood is correctly prepared for coating. Stir can thoroughly with a flat paddle before and during use.
2. Use a good quality synthetic brush.
3. 1 – 2 Coats are required to protect and enhance wood substrates.
3. Ensure a wet edge is maintained during application. Apply generously in the direction of the grain. Do not overwork or overspread the product as it will result in low dry film thickness.

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SAFETY PRE-CAUTIONS

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using the product.

Storage:

Store as required for a flammable liquid Class 3 in a bunded area under cover. Store in well-ventilated area away from sources of heat or ignition. Keep containers closed at all times.

Handling:

As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 must be worn while handling. Always wash hands before smoking, eating, drinking or using the toilet.

During application:

Ensure good ventilation during application and drying.

Flammability:

This product is flammable. All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. Fight fire with foam, CO2 or dry chemical powder. On burning will emit toxic fumes.

STORAGE AND PACKING

Shelf Life: 12 months at 25°C - from date of manufacture. Subject to inspection thereafter.

Store in dry conditions out of direct sunlight away from source of heat or ignition. Store at temperature between 5 and 35°C

PACK SIZE

Single pack:

Available in 1 lt. and 4 lt. cans.

DISCLAIMER:

The recommendations contained herein are given in all good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

N.B. Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

MANUFACTURED BY BG COATINGS

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Should you have any queries or require any further information please contact the BG COATING advisory service:

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